

FIG. 1

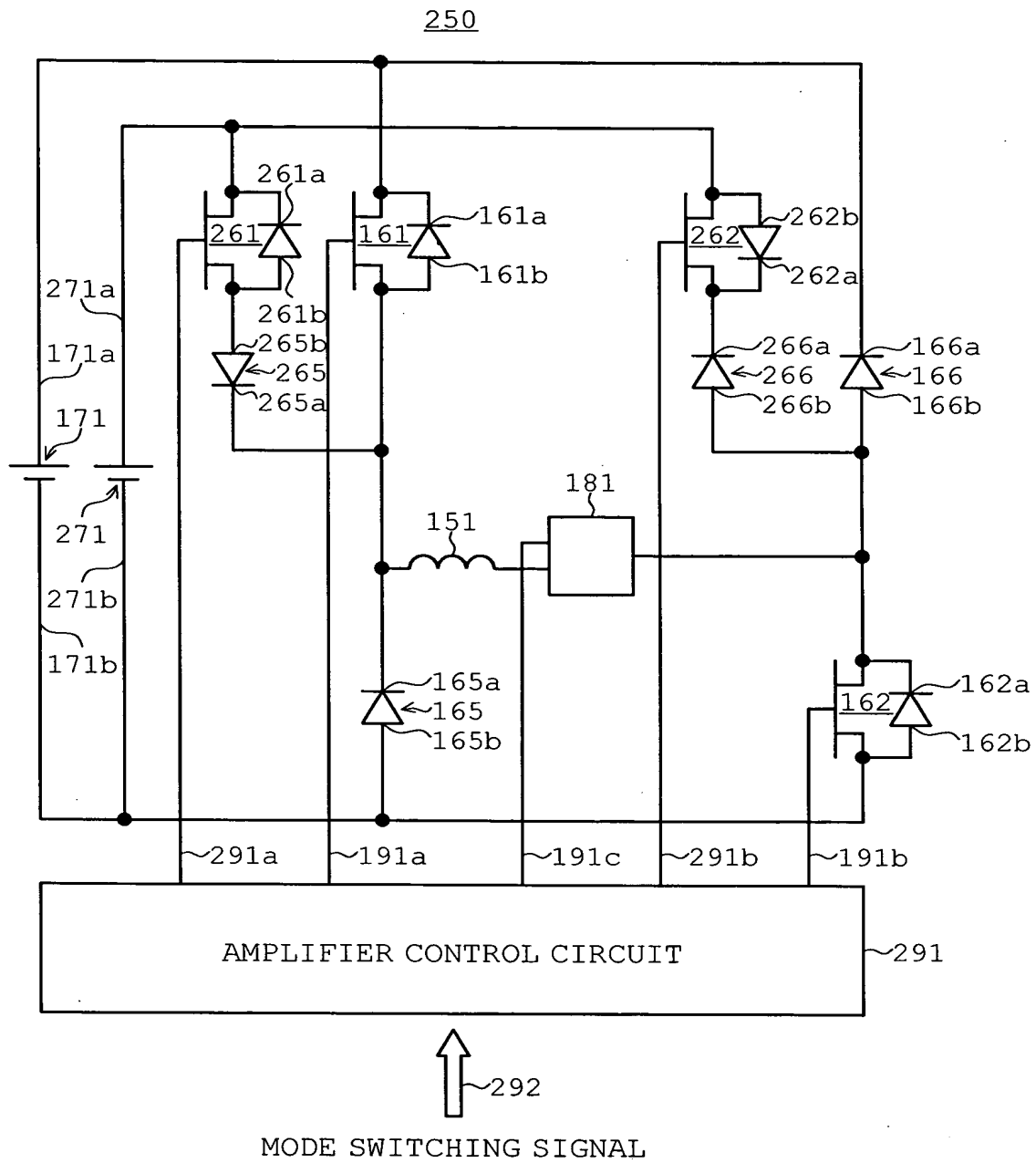


FIG. 2

POWER SOURCE TO WHICH ELECTROMAGNET COIL IS CONNECTED	ELECTROMAGNET CURRENT i_L	TRANSISTOR			
		261	262	161	162
HIGH VOLTAGE POWER SOURCE (HIGH VOLTAGE MODE)	INCREASE	(off)	(off)	on	on
	REDUCTION	off	off	off	off
	CONSTANT	off	(off)	off	on
		(off)	off	on	off
LOW VOLTAGE POWER SOURCE (LOW VOLTAGE MODE)	INCREASE	on	(on)	off	on
	REDUCTION	off	on	off	off
	CONSTANT	off	(on)	off	on
		on	on	off	off

FIG. 3

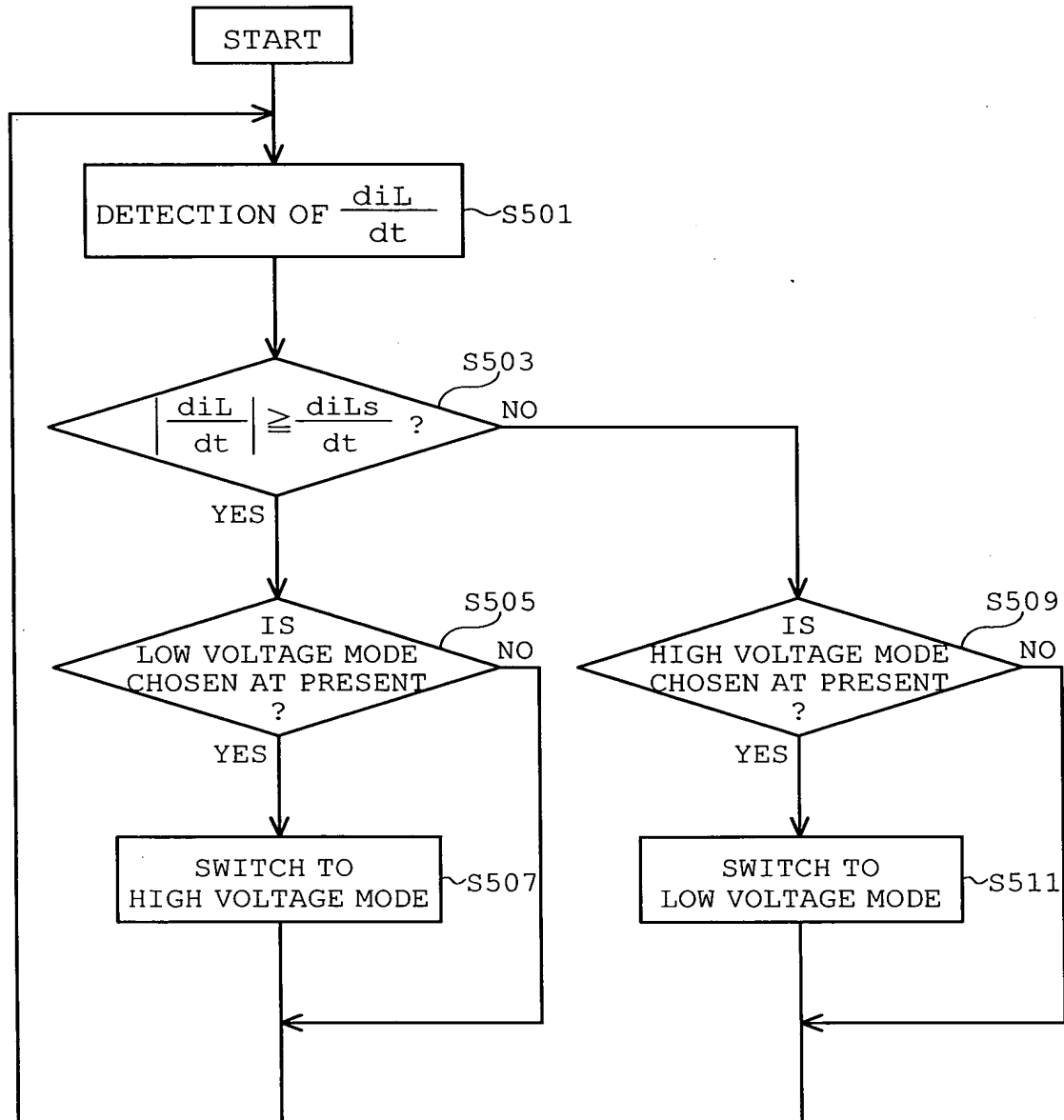


FIG. 4

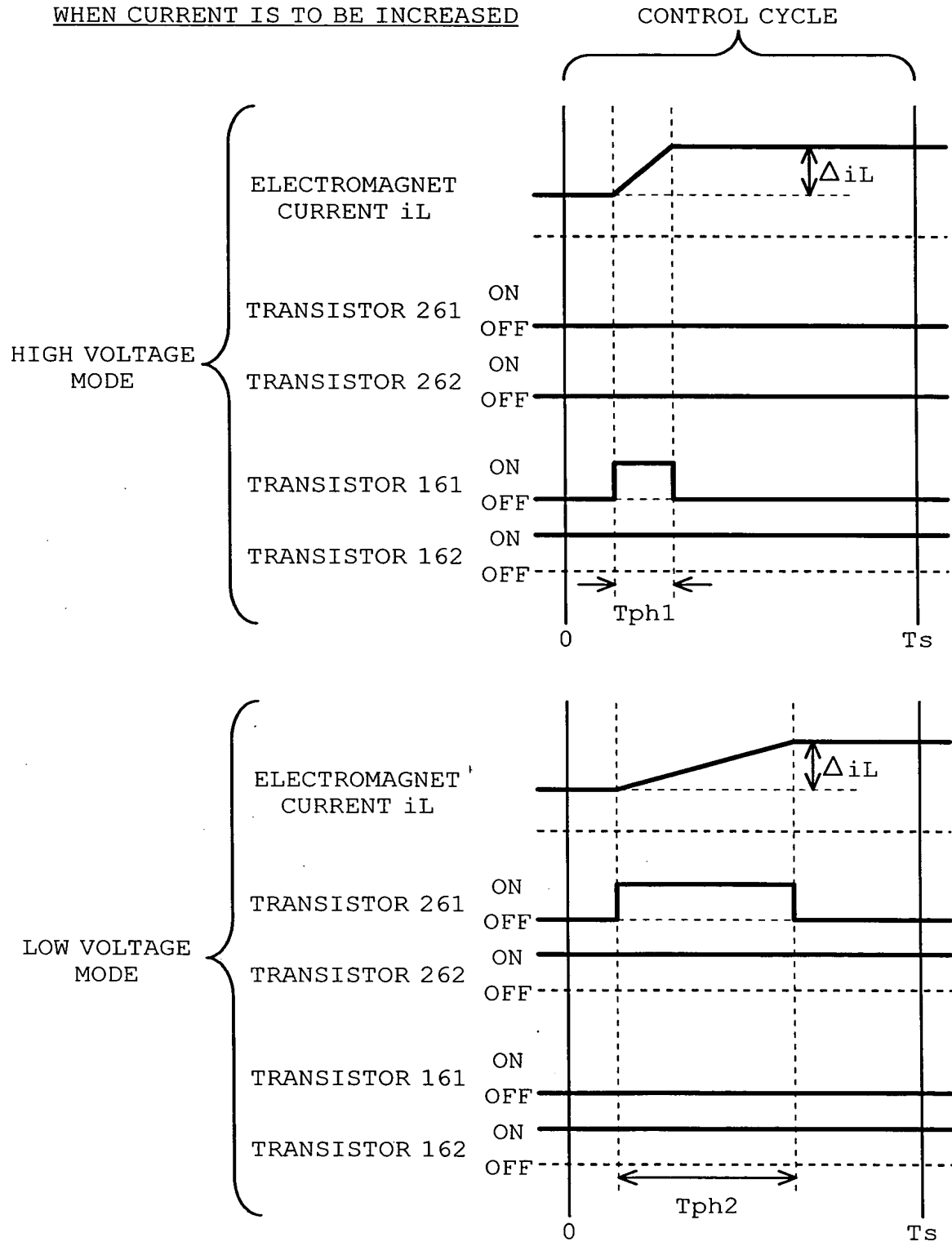


FIG. 5

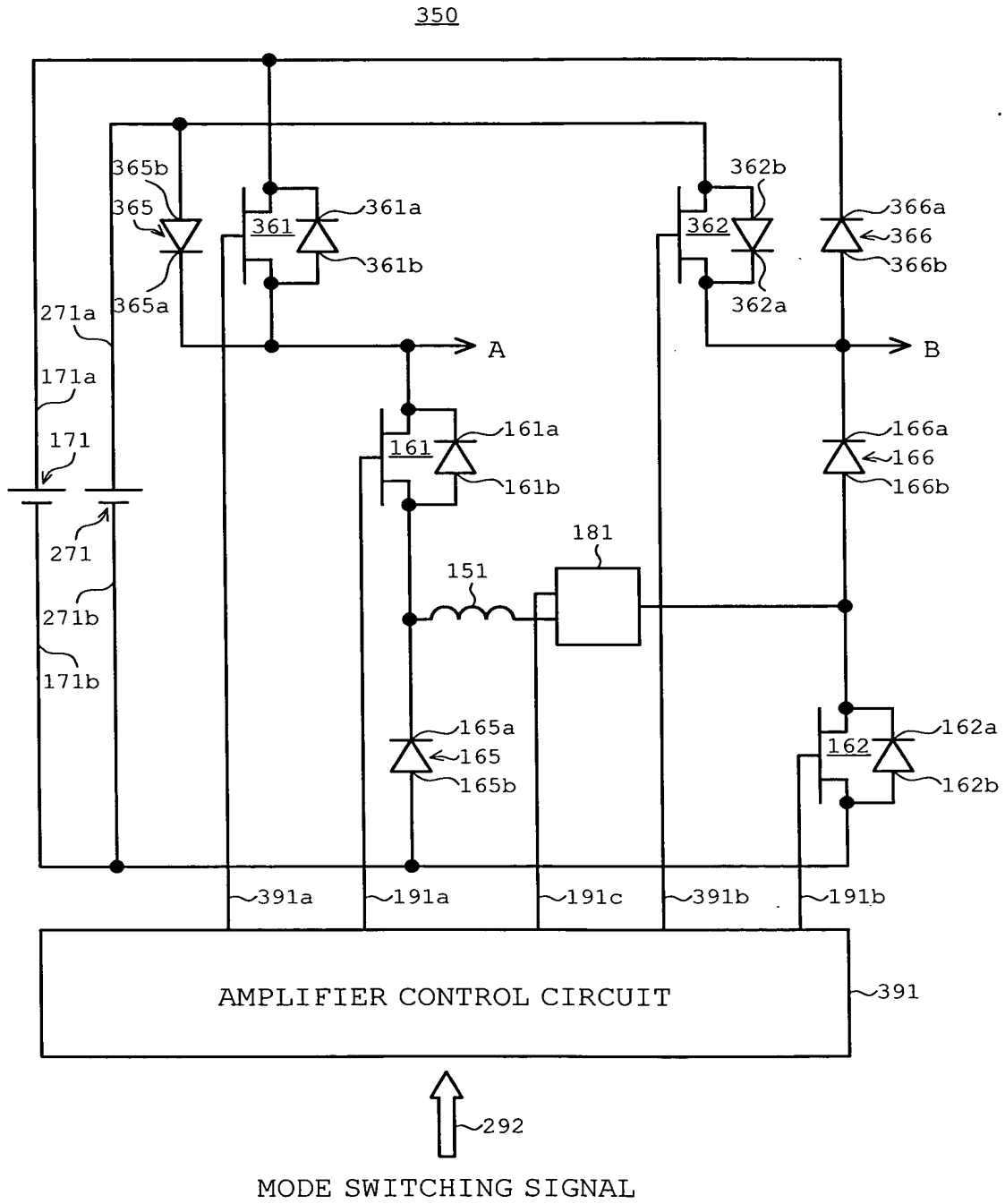


FIG. 6

POWER SOURCE TO WHICH ELECTROMAGNET COIL IS CONNECTED	ELECTROMAGNET CURRENT i_L	TRANSISTOR			
		361	362	161	162
HIGH VOLTAGE POWER SOURCE (HIGH VOLTAGE MODE)	INCREASE	on	(off)	on	on
	REDUCTION	(on)	off	off	off
	CONSTANT	(on)	(off)	off	on
		on	off	on	off
LOW VOLTAGE POWER SOURCE (LOW VOLTAGE MODE)	INCREASE	off	(on)	on	on
	REDUCTION	(off)	on	off	off
	CONSTANT	(off)	(on)	off	on
		off	on	on	off

FIG. 7

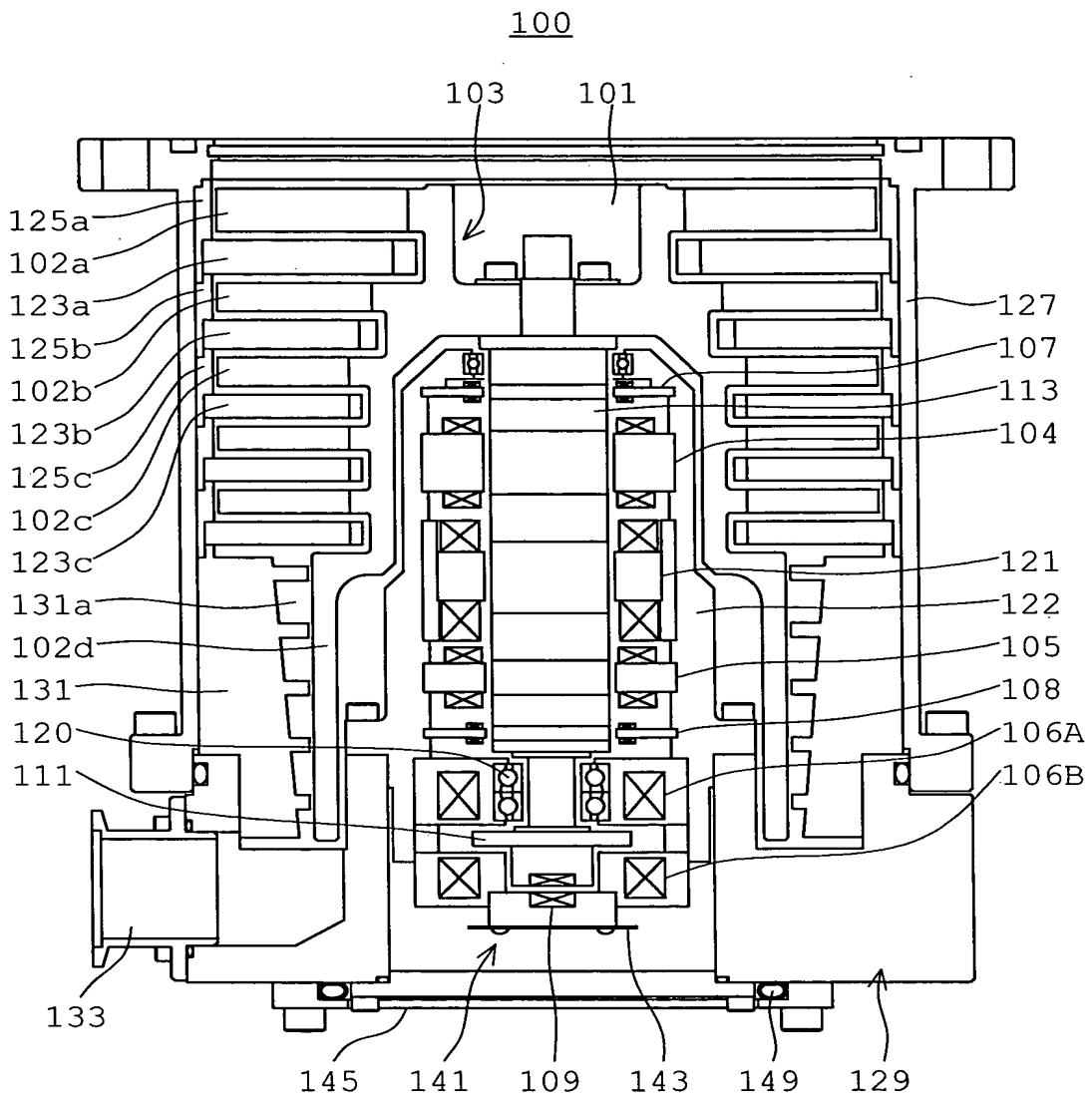


FIG. 8
PRIOR ART

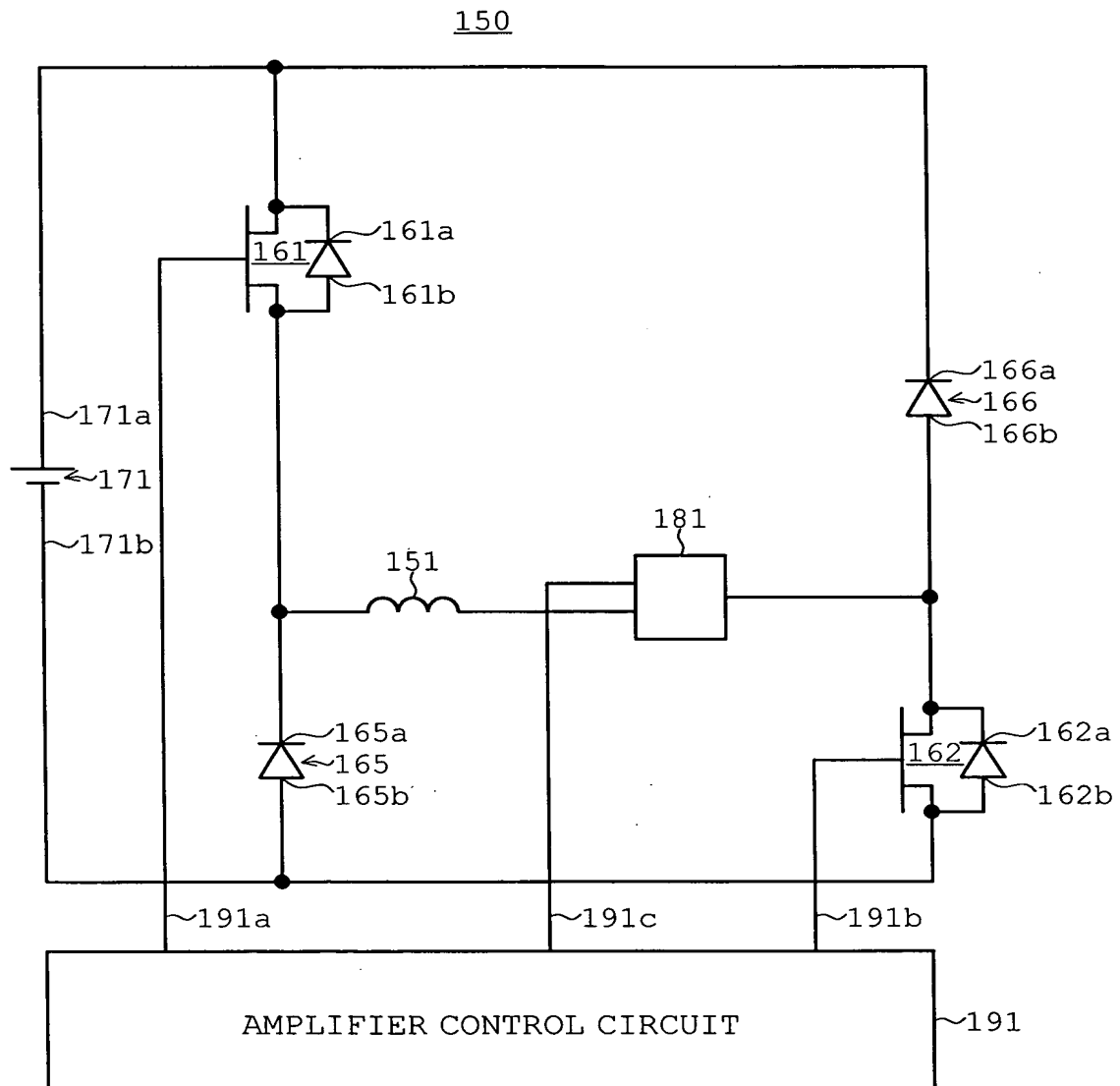


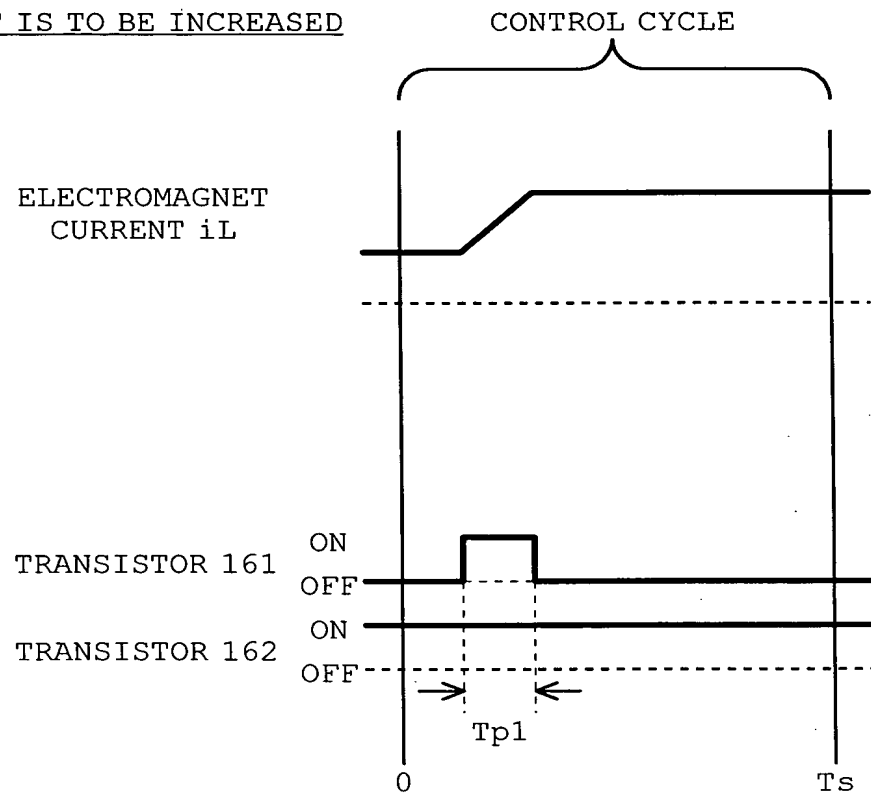
FIG. 9
PRIOR ARTWHEN CURRENT IS TO BE INCREASED

FIG. 10
PRIOR ART

